

## **CO2 Gas Cylinder Valve RPV Adjustment**

In some instances the RPV (residual pressure valve) can be assembled too tight. This causes no gas to be able to flow out of the gas cylinder.

As a result it can appear that the cylinder is empty when in actual fact it's still full and just no gas is flowing out of the valve.

To rectify this issue it's quite simple and can be done with some simple tools.

If you have a 2.6kg cylinder the weight of this cylinder type is about 10kg when the cylinder is full of gas.

If you have a 6.0kg cylinder the weight of this cylinder type is about 20kg when the cylinder is full of gas.

So by checking the weight first you can determine if you have gas in the cylinder and therefore determine that it's more likely that the cylinder RPV is simply done up too tight.

**Step 1 – Check you have no gas trapped behind the RPV valve**

Turn the gas valve off (the black handle on top of the cylinder valve).

Then use a small screw driver, nail or something small and pointy and push down the brass pin at the middle of the valve (see arrow below).

If you have gas trapped behind the RPV this will be released. Keep pushing this pin until all gas is released from behind the RPV. Should only take 1-2 seconds.



## Step 2 – Unscrew the PRV

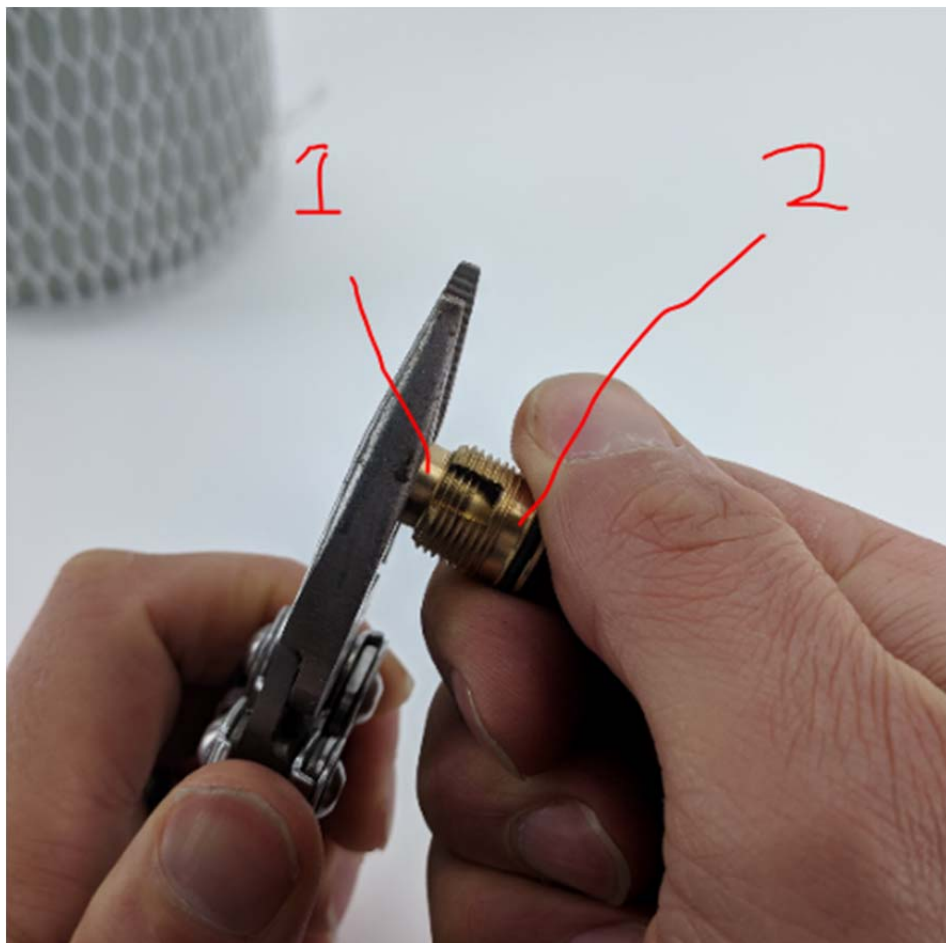
Now that you have completed step 2 you can safely remove the RPV using a 5mm allen key/Hex key.



### Step 3 – Loosen the RPV

As the RPV was too tight to let gas out of the cylinder you now need to loosen the RPV.

As you can see below you can do this by simply unscrewing part 1 and part 2. Only loosen by  $\frac{1}{2}$  turn then re-insert back into the cylinder valve.



Now gas should be able to flow out of the RPV device freely.

#### **Step 4 – Reinstall the RPV Valve**

Now re-fit the RPV to the cylinder valve.

When screwing the RPV into the cylinder valve turn it clockwise until the RPV valve bottoms out and cannot screw in any further. Then unscrew the allen key/hex key back out by ½ turn.



#### **Step 5 – check the adjustment**

Open the black cylinder valve and you should now find that CO2 gas flows freely out of the RPV valve. If it doesn't flow freely then repeat steps 1-4.